

MATHEMATICS

www.natsci.colostate.edu/career-resources/mathematics/

Students learn to think critically about calculus and advanced calculus, linear algebra, methods of proof, abstract algebra, computer programming, and statistics. The **math** major offers a liberal arts component that requires students to acquire a broad background in communication skills, humanities, social sciences, and natural sciences. The core focus of the major is on developing students' understanding and appreciation of the mathematical sciences, problem solving skills, and their ability to combine knowledge and skills in productive ways. Four concentrations are available that relate to the student's specific career goals and interests. These can range from actuarial science to mathematics education for those interested in these fields.

Factors of success:

Engagement with
the CSU Career
Center

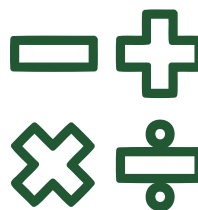
Internship or
research
involvement

On campus
employment

GPA

Additional resources:

- What Can I Do with This Major? <https://col.st/430hE>
- Learn about possible occupations involving Mathematics: <https://col.st/Ks5jV>
- Learn about careers in Math from a professional association: <https://www.maa.org/>
- Learn about current opportunities in Math: <https://col.st/tjirV>



Common employers

- Anthem
- Epic Systems
- Geico
- IBM
- JBS
- Poudre School District
- U.S. Air Force
- Vanguard

Common job titles

- Actuary Analyst
- Data Analyst/Coordinator
- Digital Analyst
- Financial Analyst
- Process Technician
- Junior Software Engineer
- Integrated Circuit Equipment Technician
- Teacher



COLORADO STATE UNIVERSITY

COLLEGE OF NATURAL SCIENCES | CAREER CENTER

CAREER CHECKLIST

Year 1

- Go to the Career Center's drop-in hours or schedule an appointment
- Log into Handshake, the CSU Career Center's online location for on-campus jobs, internships, and careers. Find an on-campus job and work for 10+ hrs/week
- Learn about concentrations and minors: <https://col.st/aORdv>
- Join a student organization relevant to Mathematics: <https://col.st/b72Wg>

Year 2

- Go to the Career Center to discuss job/internship search strategies, create a resume and write a cover letter and tips for interviewing
- Apply for summer internships or research opportunities related to Mathematics: <https://col.st/tjirV>

Year 3

- Run for a leadership role in a student organization
- Update your resume and/or cover letter for internships or on-campus jobs
- Apply for undergraduate internships: <https://col.st/Hz6gW>
- Learn about graduate school options

Year 4+

- Present research at CSU
- Attend many networking events to meet employers
- Ask three professors and/or employers to be professional references
- Meet with Career Center to prepare for the job search or graduate school applications and to update your resume and/or cover letter

Alums

- You may continue to use the Career Center for guidance! All services are still available to you at no cost for one year after graduation and for a small fee after that.

Find more information specific to Data Science:

www.natsci.colostate.edu/career-resources/mathematics/

